

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-324447

(43)Date of publication of application : 14.11.2003

(51)Int.Cl.

H04L 12/28

H04L 12/56

(21)Application number : 2003-121433

(71)Applicant : SAMSUNG ELECTRONICS CO LTD

(22)Date of filing : 25.04.2003

(72)Inventor : KEN HIN
LEE MYUNG-JONG

(30)Priority

Priority number : 2002 200222824	Priority date : 25.04.2002	Priority country : KR
2002 200234673	20.06.2002	KR
2002 200272841	21.11.2002	KR

(54) METHOD FOR BLUETOOTH ON-DEMAND ROUTING AND NETWORK FORMATION METHOD, AND COMMUNICATION METHOD OF BLUETOOTH AD HOC NETWORK

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method for Bluetooth on-demand routing and network formation method by which a route is formed just as requested by a source in a Bluetooth ad hoc network system.

SOLUTION: The Bluetooth network system has a source node, a destination node and a plurality of independent nodes. The method includes a forward path set-up step and a backward path set-up step. In the forward path set-up step, the source node sends out a route request message, thus setting up multi forward paths toward the source node and the destination node. In the backward path set-up step, the destination node in receipt of the route request message sends out a route reply message to the source node through one of the set forward paths, thus setting up a backward path. Through the set backward path, a route is formed as the most suitable path between the source node and the destination node.

